

What is claimed is:

1. A webbing retractor which includes a spool, on which webbing for restraining a vehicle occupant can be retracted so as to be taken up and can be pulled out, a motor, and a clutch which is mechanically interposed between the motor and the spool for transmitting rotation of the motor to the spool so as to rotate the spool and disconnecting the transmission of the rotation generated at the spool to prevent the rotation being transmitted to the motor, wherein

the clutch comprises:

a case;

a rotating body provided coaxially with the spool, the rotating body rotating when rotation of the motor is transmitted thereto; and

a lock bar provided on the rotating body, normally held in a disengaged position with the spool, when the rotating body is rotated in one direction around the axis, the lock bar engages the spool so as to transmit the rotation of the rotating body in the one direction around the axis to the spool, and when the rotating body is rotated in the other direction around the axis, the lock bar being moved in a disengaged position and kept there, and

the rotating body is supported by the case.

2. A webbing retractor which includes a spool on which webbing for restraining a vehicle occupant can be retracted so as to be taken up and can be pulled out, a motor, and a clutch which is mechanically interposed between the motor and the spool for transmitting rotation of the motor to the spool so as to rotate the spool in the direction in which the webbing is taken up and disconnecting the transmission of the rotation generated at the spool so as to prevent the rotation being transmitted to the motor, wherein

the clutch comprises:

a case;

a rotating body provided coaxially with the spool, the rotating body rotating when rotation of the motor is transmitted thereto;

a slider which is held on the case through frictional force and can move a predetermined distance relative to the rotating body; and

a lock bar provided on the rotating body, normally urged in a direction of engagement with the spool and normally held in a disengaged position from the spool by the slider, when the rotating body is rotated in the direction in which the webbing is taken up, the lock bar moving apart from the slider so as to be released from the held state, engaging the spool due to the urging force, transmitting the rotation of the rotating body in the direction in which the webbing is taken up to the spool, the lock bar permitting relative rotation between the spool and the rotating body in the direction in which the webbing is taken up, when the rotating body is rotated in a direction in which the webbing is pulled out, the lock bar moving toward the slider and is moved to the disengaged position and held there by the slider, and the rotating body is supported by the case.

3. A webbing retractor of claims 1 or 2, wherein:

the rotating body comprises:

a gear wheel which rotates when rotation of the motor is transmitted thereto;
a rotor which supports the lock bar; and
a spring pawl which is interposed between the gear wheel and the rotor to connect them, the spring pawl transmitting the rotation of the gear wheel to the rotor, when load above predetermined value is applied to the rotor, due to the spring pawl disconnecting the transmission of the rotation between the gear wheel and the rotor and making the gear wheel and the rotor able to run idle with respect to each other, and

the rotor is supported by the case.